

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/856, 907B  
Source: 1600  
Date Processed by STIC: 02/02/2006

# ***ENTERED***



1600

## RAW SEQUENCE LISTING

DATE: 02/02/2006

PATENT APPLICATION: US/09/856,907B

TIME: 09:26:49

Input Set : A:\Bradbury corrected final.ST25.txt

Output Set: N:\CRF4\02022006\I856907B.raw

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3 <110> APPLICANT: Bradbury, Andrew
4   Sblattero, Daniele
6 <120> TITLE OF INVENTION: METHODS FOR THE PREPARATION OF NUCLEIC ACID AND POLYPEPTIDE
7   LIBRARIES AND USES THEREOF
9 <130> FILE REFERENCE: 6278
11 <140> CURRENT APPLICATION NUMBER: US 09/856,907B
12 <141> CURRENT FILING DATE: 2001-05-29
14 <160> NUMBER OF SEQ ID NOS: 14
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 11
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial
26 <220> FEATURE:
W--> 27 <221> NAME/KEY:
28 <222> LOCATION: (1)..(11)
29 <223> OTHER INFORMATION: loxP linker
31 <400> SEQUENCE: 1
33 Ile Thr Ser Tyr Asn Val Tyr Tyr Thr Lys Leu
34 1      5      10
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 15
39 <212> TYPE: PRT
40 <213> ORGANISM: Artificial
42 <220> FEATURE:
43 <223> OTHER INFORMATION: synthetic linker
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48 <222> LOCATION: (1)..(15)
50 <400> SEQUENCE: 2
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53 1      5      10      15
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57 <211> LENGTH: 5281
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial
62 <220> FEATURE:
W--> 63 <221> NAME/KEY:
64 <222> LOCATION: (1)..(5281)
65 <223> OTHER INFORMATION: D1.3 VH expression plasmid
67 <400> SEQUENCE: 3
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70 accattaggc ggccgctact gttgaaagtt gtttagcaaa acctcataca gaaaattcat      120

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72	ttactaacgt	ctggaaagac	gacaaaactt	tagatcggtta	cgctaactat	gagggctgtc	180
74	tgtggaatgc	tacaggcgtt	gtggtttgta	ctggtgacga	aactcagtg	tacgggtacat	240
76	gggttcctat	tgggcttgct	atccctgaaa	atgaggggtg	tggctctgag	gggtggcggtt	300
78	ctgaggggtg	cggttctgag	gggtggcggt	ctaaacctcc	tgagtacgg	gatacaccta	360
80	ttccgggcta	tacttatatc	aacctctc	acggcactta	tccgcctggt	actgagcaaa	420
82	accccgctaa	tcctaatact	tctcttgagg	agtctcagcc	tcttaatact	ttcatgtttc	480
84	agaataatag	gttccgaaat	aggcaggggt	cattaactgt	ttatacgggc	actgttactc	540
86	aaggcactga	ccccgttaa	acttattacc	agtacactcc	tgtatcatca	aaagccatgt	600
88	atgacgctta	ctggaacgg	aaattcagag	actgcgcttt	ccattctggc	tttaatgagg	660
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94	gcggttctga	gggtggcggc	tctgaggggt	gcggttccgg	tggcggtccc	gggtccgggtg	840
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102	gtgatatttc	tggctcta	tcccaaatgg	ctcaagtcgg	tgacgggtgat	aattcacctt	1080
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126	cgatttagtg	ctttacggca	cctcgacccc	aaaaaacttg	atttgggtga	tgggtcacgt	1800
128	agtgggccat	cgccctgata	gacgggtttt	cgccctttga	cgttggagtc	cacgttcttt	1860
130	aatagtggac	tcttgttcca	aactggaaca	acactcaacc	ctatctcggt	ctattctttt	1920
132	gattttataag	ggattttg	gatttcggcc	tattgggtta	aaaatgagct	gatttaacaa	1980
134	aaatttaacg	cgaattttta	caaaatatta	acgtttacaa	ttttatgggt	cactctcagt	2040
136	acaatctgct	ctgatgccgc	atagttaagc	cagccccgac	acccgccaac	acccgtcgac	2100
138	gcgccttgac	gggcttgtct	gctcccgcca	tccgcttaca	gacaagctgt	gaccgtctcc	2160
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154	tttcgccccg	aagaacgttt	tccaatgatg	agcaacttta	aagttctgct	atgtggcgcg	2640
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160	agagaattat	gcagtgtctg	cataaccatg	agtgataaca	ctgcggccaa	cttacttctg	2820
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164	actcgcttgg	atcggtggga	accggagctg	aatgaagcca	taccaaacga	cgagcgtgac	2940
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170 cttctgcgct cggcccttcc ggctggctgg tttattgctg ataaatctgg agccggtgag 3120
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174 gttatctaca cgacggggag tcaggcaact atggatgaac gaaatagaca gatcgctgag 3240
176 ataggtgcct cactgattaa gcattggtaa ctgtcagacc aagtttactc atatatactt 3300
178 tagattgatt taaaacttca tttttaattt aaaaggatct aggtgaagat cctttttgat 3360
180 aatctcatga ccaaaatccc ttaacgtgag ttttcgttcc actgagcgtc agaccccgta 3420
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184 acaaaaaaac caccgctacc agcgggtggtt tgtttgccgg atcaagagct accaactctt 3540
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208 gaagcggaag agcgcaccaat acgcaaaccg cctctccccg cgcgttggcc gattcattaa 4260
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238 acagactata attcagctct caaatccaga ctgagcatca gcaaggacaa ctccaagagc 5160
240 caagttttct taaaaatgaa cagtctgcac actgatgaca cagccgtcta ctactgcgcg 5220
242 cgagagagag attataggct tgactactgg ggccaaggca ccacggtcac cgtctcctca 5280
244 g

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247 &lt;210&gt; SEQ ID NO: 4

248 &lt;211&gt; LENGTH: 6

249 &lt;212&gt; TYPE: PRT

250 &lt;213&gt; ORGANISM: Artificial

255 &lt;220&gt; FEATURE:

W--&gt; 256 &lt;221&gt; NAME/KEY:

257 &lt;222&gt; LOCATION: (1)..(6)

258 &lt;223&gt; OTHER INFORMATION: His Tag

260 &lt;400&gt; SEQUENCE: 4

262 His His His His His His

263 1 5

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Input Set : A:\Bradbury corrected final.ST25.txt

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266 <210> SEQ ID NO: 5
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268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial
272 <220> FEATURE:
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274 <222> LOCATION: (1)..(41)
275 <223> OTHER INFORMATION: primer VHback-DAN
277 <400> SEQUENCE: 5
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281 <210> SEQ ID NO: 6
282 <211> LENGTH: 39
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial
288 <220> FEATURE:
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290 <222> LOCATION: (1)..(39)
291 <223> OTHER INFORMATION: primer VHfor2-DAN
293 <400> SEQUENCE: 6
294 gattggtttg ccgctagctg aggagacggt gaccgtggt 39
297 <210> SEQ ID NO: 7
298 <211> LENGTH: 41
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300 <213> ORGANISM: Artificial
305 <220> FEATURE:
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307 <222> LOCATION: (1)..(41)
308 <223> OTHER INFORMATION: primer VK2back-DAN
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314 <210> SEQ ID NO: 8
315 <211> LENGTH: 47
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial
322 <220> FEATURE:
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324 <222> LOCATION: (1)..(47)
325 <223> OTHER INFORMATION: primer VK2for-DAN
327 <400> SEQUENCE: 8
328 gaagttatgg tcgaccctcc ggaacgtttg atctcgagct tggcccc 47
331 <210> SEQ ID NO: 9
332 <211> LENGTH: 40
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial
338 <220> FEATURE:
W--> 339 <221> NAME/KEY:
340 <222> LOCATION: (1)..(40)
341 <223> OTHER INFORMATION: primer VLbackPT1
343 <400> SEQUENCE: 9

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344 cgctggattg ttattactcg cagcaagcgg cgcgcatgcc      40
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349 <212> TYPE: DNA
350 <213> ORGANISM: Artificial
354 <220> FEATURE:
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356 <222> LOCATION: (1)..(39)
357 <223> OTHER INFORMATION: primer VLbackPT2
359 <400> SEQUENCE: 10
360 tacctattgc ctacggcagc cgctggattg ttattactc      39
363 <210> SEQ ID NO: 11
364 <211> LENGTH: 38
365 <212> TYPE: DNA
366 <213> ORGANISM: Artificial
370 <220> FEATURE:
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372 <222> LOCATION: (1)..(38)
373 <223> OTHER INFORMATION: primer VHforPT1
375 <400> SEQUENCE: 11
376 ccaggcccag cagtgggttt gggattgggt tgccgcta      38
379 <210> SEQ ID NO: 12
380 <211> LENGTH: 40
381 <212> TYPE: DNA
382 <213> ORGANISM: Artificial
387 <220> FEATURE:
W--> 388 <221> NAME/KEY:
389 <222> LOCATION: (1)..(40)
390 <223> OTHER INFORMATION: primer VHforPT2
392 <400> SEQUENCE: 12
393 tggatgatggg gagtactatc caggcccagc agtggggtttg      40
396 <210> SEQ ID NO: 13
397 <211> LENGTH: 57
398 <212> TYPE: DNA
399 <213> ORGANISM: Artificial
404 <220> FEATURE:
W--> 405 <221> NAME/KEY:
406 <222> LOCATION: (1)..(57)
407 <223> OTHER INFORMATION: primer VLforPTL
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410 accgctcgag gataacttcg tatagtatac attatacgaa gttatggtcg accctcc      57
413 <210> SEQ ID NO: 14
414 <211> LENGTH: 58
415 <212> TYPE: DNA
416 <213> ORGANISM: Artificial
420 <220> FEATURE:
W--> 421 <221> NAME/KEY:
422 <222> LOCATION: (1)..(58)
423 <223> OTHER INFORMATION: primer VHbackPTL

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 02/02/2006  
PATENT APPLICATION: US/09/856,907B      TIME: 09:26:50

Input Set : A:\Bradbury corrected final.ST25.txt  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14

## VERIFICATION SUMMARY

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Input Set : A:\Bradbury corrected final.ST25.txt

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L:27 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:47 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:63 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3  
L:256 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4  
L:273 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5  
L:289 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:306 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7  
L:323 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8  
L:339 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9  
L:355 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10  
L:371 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11  
L:388 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12  
L:405 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13  
L:421 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14